NVL LABS
HAZARDOUS MATERIALS SERVICES
MANAGEMENT | TRAINING | LAB SERVICES
www.NVLLABS.com

January 20, 2015

Mr. Doug Lansing
Rainier Commons, LLC
918 S. Horton Street, Suite 101
Seattle, WA 98134

Re: **NVL Batch 1500680.00**

Project Name/Number: 2012-494

Project Location: 3100 Airport Way South Seattle, WA 98134

Dear Mr. Lansing,

Enclosed please find test results for sample submitted to our laboratory for analysis. Preparation and analysis of these samples were conducted in accordance with methods specified on the attached test reports.

The content of this package consists of the following:

Case Narrative & Definition of Data Qualifiers
Analytical Test Results
Applicable QC Summary
Client Chain -of-Custody (CoC)

This report package contains a total of 12 pages of analytical test results along with customer CoC and other related documents. The report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client will be discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance, please contact us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director.

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

Case Narrative:

The following summarizes samples received on date as shown on the accompanied Chain of custody by NVL Laboratories, Inc. from Rainier Commons,LLC for Project No.2012-494. Samples were logged in for PCB analysis per client request using both customer sample ID's and laboratory assigned ID's as listed on the Chain-of-Custody (CoC). All samples as received were processed and analyzed within specified turnaround time without any abnormalities and deviations that may affect the analytical results. All quality control requirements were acceptable unless stated otherwise. The conditions of all samples were acceptable at time of receipt and all samples submitted with this batch were analyzed unless stated otherwise on the CoC.

Test Results are reported based on microgram per meter cube (ug/m^3) for PCB samples as shown on the analytical reports.

ORGANICS LABORATORY SERVICES

NVL LABS

Company Rainier Commons, LLC
Address 918 S. Horton Street, Suite 101
Seattle, WA 98134
Project Manager Mr. Doug Lansing
Phone (206) 447-0263
Cell (b) (6)

NVL Batch Number **1500680.00**
TAT 5 Days **AH** No
Rush TAT
Due Date 1/20/2015 **Time** 3:00 PM
Email lansinghomes@aol.com
Fax (206) 447-0299

Project Name/Number: 2012-494 **Project Location:** 3100 Airport Way S. Seattle,WA 98134

Subcategory Quantitative analysis
Item Code ORG-01 NIOSH 5503 PCB Aroclors <Air>

Total Number of Samples 2 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	15003548	11315DLPCB1		A
2	15003549	11315DLPCB2		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Midori Koike		NVL	1/13/15	1500
Analyzed by	Shalini Patel		NVL	1/14/15	1600
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Entered By: Midori Koike Date: 1/13/2015 Time: 3:27 PM 1 of 1

RCLLC 0009261

Definition Appendix

Terms

% Rec	Percent recovery.
<	Below Reporting Limit(RL) or Limit of Quantitation(LoQ) of the instrument.
B	Blank contamination. The recorded results is associated with a contaminated blank.
DF	Dilution Factor
J	The reported concentration is an estimated value because something may be present in the sample that interfered with the analysis.
J1	The reported concentration is an estimated value because the laboratory control sample (LCS) is out of control limits.
J2	The reported concentration is an estimated value because the percent recovery for matrix spike is out of control limits.
J3	The reported concentration is an estimated value because the relative percent difference(RPD) for duplicate analysis is out of control limits.
J4	Percent recovery is outside of established control limits.
LCS	Laboratory Control Sample.
Limits	The upper and lower control limits for spike recoveries.
LOQ	Limit of quantitation(same as RL)
mg/kg	Milligrams per kilogram.
ND	Analyte not detected or below the reporting limit of the instrument or methodology
PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.

Definition Appendix

Terms

R	The data are not reliable due to possible contamination or loss of material during preparation or analysis. Re-sampling and reanalysis are necessary for verification.
RL	Reporting Limit. The minimum concentration that can be quantified under routine operating conditions.
RPD	Relative Percent Difference. The relative difference between duplicate results(matrix spike, blank spike, or samples duplicate) expressed as a percentage.
RPD Limit	The maximum RPD allowed for a set of duplicate measurements(see RPD).
SMI	Surrogate has matrix interference.
Spike Conc.	The measured concentration, in sample basis units, of a spiked sample.
SURR-ND	Surrogate was not detected due to matrix interference or dilution.
ug/m3	Micrograms per cubic meter.
ug/mL	Micrograms per milliliter
ug	Microgram
ug/m3	microgram per cubic meter

ANALYSIS REPORT
Polychlorinated Biphenyls in Air

Client	**Rainier Commons**	Samples Received*	**2**
SDG Number	**1500680.00**	Analyzed By	**Shalini Patel**
Date Reported	**01/20/2015**	Samples Analyzed*	**2**
Project Number	**2012-494**	Analysis Method	**5503**
Location	**3100 Airport Way S. Seattle,WA 98134**	Preparation Method	**5503PR**
		* for this test only	

Sample Number	**11315DLPCB1**	Received	01/13/2015
Lab Sample ID	15003548	Matrix	Air
Initial Sample Size	315 L	Units of Result	ug/m3

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.32	< 0.32	01/14/2015
Aroclor-1221	0.32	< 0.32	01/14/2015
Aroclor-1232	0.32	< 0.32	01/14/2015
Aroclor-1242	0.32	< 0.32	01/14/2015
Aroclor-1248	0.32	< 0.32	01/14/2015
Aroclor-1254	0.32	< 0.32	01/14/2015
Aroclor-1260	0.32	< 0.32	01/14/2015
PCBs, Total	**0.32**	**<0.32**	**01/14/2015**

Comments: BLDG 7-400 West Wall.Inside

Sample Number	**11315DLPCB2**	Received	01/13/2015
Lab Sample ID	15003549	Matrix	Air
Initial Sample Size	1000 L	Units of Result	ug/m3

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.10	< 0.10	01/14/2015
Aroclor-1221	0.10	< 0.10	01/14/2015
Aroclor-1232	0.10	< 0.10	01/14/2015
Aroclor-1242	0.10	< 0.10	01/14/2015
Aroclor-1248	0.10	< 0.10	01/14/2015
Aroclor-1254	0.10	< 0.10	01/14/2015
Aroclor-1260	0.10	< 0.10	01/14/2015
PCBs, Total	**0.10**	**<0.1**	**01/14/2015**

Comments: Field Blank. Result is based on the assumption that 1000L Volume of sample was collected.

NVL Laboratories, Inc.
4708 Aurora Ave. N.
Seattle, WA 98103

Phone: 206 547-0100
Fax: 206 634-1936

Quality Control Results

Project Number:	**2012-494**	**SDG Number:**	**1500680**
		Project Manager:	**Doug Lansing**
QC Batch(es):	**Q241**	Analysis Method:	**5503**
QC Batch Method:	5503PR	Analysis Description:	Polychlorinated Biphenyls in Air
Preparation Date:	01/14/2015		

Blank: BLK- 1500680

Analyte	Blank Result	Units	DF	RL	Control Limit	Qualifiers
Aroclor-1016	ND	ug/m3	1	0.040	0.04	
Aroclor-1221	ND	ug/m3	1	0.040	0.04	
Aroclor-1232	ND	ug/m3	1	0.040	0.04	
Aroclor-1242	ND	ug/m3	1	0.040	0.04	
Aroclor-1248	ND	ug/m3	1	0.040	0.04	
Aroclor-1254	ND	ug/m3	1	0.040	0.04	
Aroclor-1260	ND	ug/m3	1	0.040	0.04	
PCBs, Total	ND	ug/m3	1	0.040	0.04	

Lab Control Sample: LCS-1500680

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers
Aroclor-1016	550	ug/m3	1	500	110	40-140	
Aroclor-1260	500	ug/m3	1	500	100	40-140	

Lab Control Sample: MSPK- 1500680

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers
Aroclor-1254	525	ug/m3	1	500	105	40-140	

NVL Laboratories, Inc.

Surrogate Recovery Summary Report

Client Rainier Commons **SDG Number** 1500680

Project 2012-494

Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
11315DLPCB1	15003548	Decachlorobiphenyl	92%	40-140
11315DLPCB1	15003548	Tetrachloro-m-xylene	95%	40-140
11315DLPCB2	15003549	Decachlorobiphenyl	98%	40-140
11315DLPCB2	15003549	Tetrachloro-m-xylene	100%	40-140
BLK- 1500680	BLK- 1500680	Decachlorobiphenyl	90%	40-140
BLK- 1500680	BLK- 1500680	Tetrachloro-m-xylene	108%	40-140
LCS-1500680	LCS-1500680	Decachlorobiphenyl	95%	40-140
LCS-1500680	LCS-1500680	Tetrachloro-m-xylene	99%	40-140
MSPK- 1500680	MSPK- 1500680	Decachlorobiphenyl	100%	40-140
MSPK- 1500680	MSPK- 1500680	Tetrachloro-m-xylene	98%	40-140

* Recovery outside limits

NVL Laboratories, Inc.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: **1500680** Contract: **N/A**

Determination: **5503 PCB Aroclors <Air>**

Run	Sample	Source	Analyzed	Analyte	True	Found	Unit	% Rec	Limits
R000234	CCV1-1016-1260	PCB_2014-2-6	01/14/2015	Aroclor-1016	0.1	0.1	ug/mL	100	80-120
		PCB_2014-2-6	01/14/2015	Aroclor-1260	0.1	0.1	ug/mL	100	80-120
	CCV1-1254	PCB_2014-2-7	01/14/2015	Aroclor-1254	0.1	0.1	ug/mL	100	80-120
	CCV2 1016-1260	PCB_2014-2-6	01/14/2015	Aroclor-1016	0.1	0.111	ug/mL	111	80-120
		PCB_2014-2-6	01/14/2015	Aroclor-1260	0.1	0.107	ug/mL	107	80-120
	CCV2-1254	PCB_2014-2-7	01/14/2015	Aroclor-1254	0.1	0.103	ug/mL	103	80-120

% Rec = Percent recovery

* = Percent recovery not within control limits

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel: 206.547.0100 Emerg.Cell: 206.914.4646
Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

1500680

Client Rainier Commons, LLC
Street 918 S. Horton Street, Suite 101
Seattle, WA 98134

Project Manager Mr. Doug Lansing
Project Location 3100 Airport Way S. Seattle,WA 98134

Phone: (206) 447-0263 **Fax:** (206) 447-0299

NVL Batch Number
Client Job Number 2012-494
Total Samples 2
Turn Around Time ☐ 1-Hr ☐ 2-Hrs ☐ 4-Hrs ☐ 8-Hrs ☐ 12-Hrs ☐ 24-Hrs ☐ 2 ☐ 3 ☐ 4 ☒ 5 ☐ 6-10
Please call for TAT less than 24 Hrs

Email address lansinghomes@aol.com
Cell (b) (6)

☐ **Asbestos Air**	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II) ☐ Other
☐ **Asbestos Bulk**	☐ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK
☐ **Mold/Fungus**	☐ Mold Air ☐ Mold Bulk	☐ **Rotometer Calibration**		

METALS	**Det. Limit**	**Matrix**		**RCRA Metals**		**Other Metals**
☐ Total Metals	☐ FAA (ppm	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8 ☐ Chromium (C	☐ **All 3**
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Lead (Pb)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cr	☐ Cadmium (Cd)	☐ Mercury (Hg)	☐ Nickel (Ni) ☐ Zinc (Zn)

☒ **Other Types of Analysis** ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify) PCB-AIR

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		11315 DL PCB 1	INSIDE BLDG 7-400 WEST WALL	
2		PCB2	FIELD BLANK	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	D. LANSING		R.C.	1/13/15	
Relinquished by	D. LANSING		R.C.	1/13/15	
Received by	Midori Kato		NVL	1/13/15	1500
Analyzed by	Shalini Patel		NVL	1/14/15	1600
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

1500680

Rainier Commons Exterior Paint Removal Project

Air Sample Data Sheet

(Note Date, Report # and Page #on each sheet)

Date 1-13-15 Daily Report #: 1-13-15

Sample ID	11315 DL PCB 1
Contaminant	PCB
Sample Location Description	BLDG 7-400 WEST WALL
Sample Inside/Outside?	INSIDE
Start Flow Rate	1.0 LPM
End Flow Rate	1.0 LPM
Start Time	0845
End Time	1400
Total Time	
Total Volume	
Notes -Including adjacent activities	IH2

SAMPLER

Signature _____ Date 1-13-15

1500680

Rainier Commons Exterior Paint Removal Project

Air Sample Data Sheet

(Note Date, Report # and Page #on each sheet)

Date 1-13-15 **Daily Report #:** 1-13-15

Sample ID	11315 DL PCB2
Contaminant	PCB
Sample Location Description	
Sample Inside/Outside?	
Start Flow Rate	
End Flow Rate	
Start Time	
End Time	
Total Time	
Total Volume	
Notes -Including adjacent activities	FIELD BLANK

SAMPLER

[signature] 1-13-15

Signature **Date**